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APPLICATION NO.	FII	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/014,600	1	2/14/2001	Huei Wang	WANG3100/EM	WANG3100/EM 1765	
23364	7590	03/29/2004		EXAMINER		
BACON &		S, PLLC	GLENN, KIN	GLENN, KIMBERLY E		
625 SLATE			ART UNIT	PAPER NUMBER		
ALEXAND		22314	2817			

DATE MAILED: 03/29/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)				
		10/014,600	WANG ET AL.				
Office Action Summary		Examiner	Art Unit				
		Kimberly E Glenn	2817				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
THE - Exte after - If the - If NO - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY MAILING DATE OF THIS COMMUNICATION. nsions of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. In period for reply specified above is less than thirty (30) days, a reply of period for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be time within the statutory minimum of thirty (30) days will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	nely filed s will be considered timely. the mailing date of this communication. D (35 U.S.C. § 133).				
Status							
1) 又	Responsive to communication(s) filed on 01 Ma	arch 2004.					
	This action is <b>FINAL</b> . 2b)⊠ This action is non-final.						
3)□	<i>,</i> —						
Disposit	on of Claims						
5)□ 6)⊠ 7)⊠	<ul> <li>✓ Claim(s) 1 and 4 is/are pending in the application.</li> <li>4a) Of the above claim(s) is/are withdrawn from consideration.</li> <li>☐ Claim(s) is/are allowed.</li> <li>✓ Claim(s) 1 is/are rejected.</li> <li>✓ Claim(s) 4 is/are objected to.</li> <li>☐ Claim(s) are subject to restriction and/or election requirement.</li> </ul>						
Applicat	on Papers						
10)	The specification is objected to by the Examiner The drawing(s) filed on is/are: a) access Applicant may not request that any objection to the Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Example 1.	epted or b) objected to by the Eddrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). lected to. See 37 CFR 1.121(d).				
Priority u	ınder 35 U.S.C. § 119						
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>							
2)  Notic 3)  Inform	e of References Cited (PTO-892) te of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:					

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## **DETAILED ACTION**

The finality of the last office action dated 10/08/2003 has been withdrawn in light of the amendment filed 3/1/04.

## Claim Rejections - 35 USC § 102

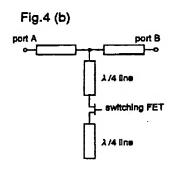
The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by Goto US Patent 5,786,737 (of record).

Goto discloses a main line and a plurality of stubs (impedance transformation network). Between the stubs, switching FET is disposed, and the length of the stubs connected to the main line, can be changed by on-off operation of the switching FET. Applying a voltage to the gate controls the FET. The stubs are a quarter of a wavelength long and will resonant at the operating frequencies. At resonance the reactances associated with the capacitance and inductance with cancel each other. (See teaching reference "Resonance" by Howard Stone) (See figures 4b)



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## Allowable Subject Matter

Claim 4 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter: The prior art of record does not disclose or fairly teach the impedance transformation network being designed so as to make the off-state effective high capacitance of said FET in high frequency become low impedance, while the on-state low impedance of said FET in high frequency becomes high impedance.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kimberly E Glenn whose telephone number is (571)-272-1761. The examiner can normally be reached on Monday-Friday 7:30 to 4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Robert Pascal can be reached on (571)-272-1769. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

BENNY T. LEE Primary Examiner Art Unit 2817

Benz Lee

Art Unit: 2817

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Kimberly E Glenn Examiner Art Unit 2817

keg